

GIA – Get Intune Assignments

Developed by

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About

Get Intune Assignments is a C#.NET program developed for Intune to query MS Graph Information.

This App intends to retrieve all Intune Items Assignments.

The focus is to retrieve Assignments Items target an Azure AD Group.

You also can export the data to CSV file if you wish.

Please send me any feedback you want. This can help me to fix bugs and make better solutions to help everyone.

Copyrights Warranty and Support

This App is totally **Free**. I created it for **personal purposes** and decided to share it with the community.

I created this app in my free time, and I don't have much, like most people, so I can't give support or warranty the

App will work like expected in your environment. Just trying to make my part in the world.

You are not required to use this. If you want to test it, I hope it can be useful.

Requirements

User access to Intune and Azure Resources:

Users must have access to read All Intune Items and query for Azure AD Groups.

Create/Register an Azure App to Get Intune Assignments get data from the environment.

Follow the **Read Rights** the User and the Azure App may need:

Directory.Read.All

DeviceManagementApps.Read.All

DeviceManagementConfiguration.Read.All

Group.Read.All

GroupMember.Read.All

Policy.Read.All

User.Read.All

Document Version

This document was updated on **November 07, 2022**.

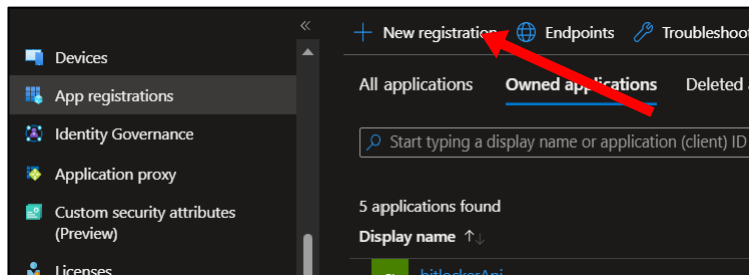
Creating an App Registration on your Azure AD.

The Get Intune Assignments Application uses an **App Registered** to get MS Graph Token Authentication to be able to query your Intune and Azure Environment.

Note

You can use any App you already have if your App have the Read Permissions Required.

Log in to the Azure Portal for your subscription, and go to the [App Registrations](#) Blade. Click **New registration** to create an Azure AD Application:



Give a **Name** for your application i.e., "GetIntuneAssignments"

Select the **Supported account types** i.e., "Accounts in this organizational directory only (YOURDOMAIN.COM only - Single tenant)"

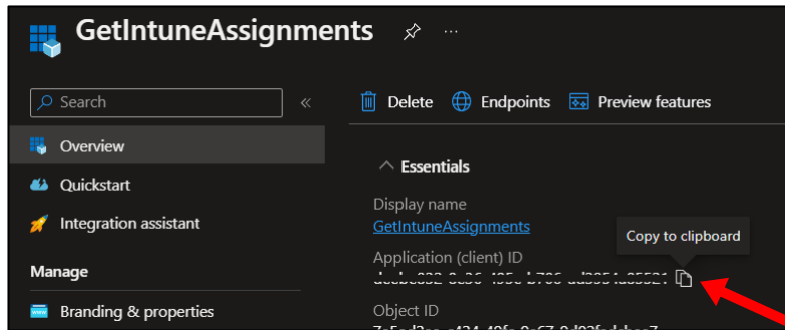
At **Redirect URI** (optional) choose **Public client/native (mobile & desktop)** and enter the following address:

"<https://login.microsoftonline.com/common/oauth2/nativeclient>"

Click the **Register** button.

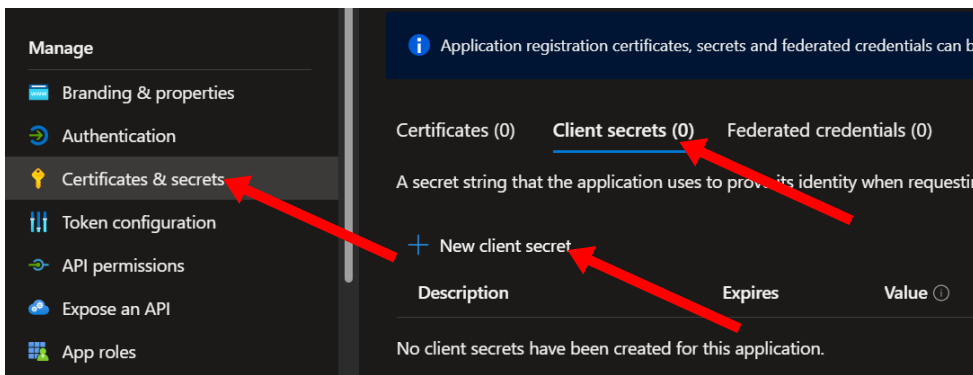
A screenshot of the 'Register an application' form in the Azure Portal. The form has a title 'Register an application' and a subtitle 'The user-facing display name for this application (this can be changed later)'. The 'Name' field is filled with 'GetIntuneAssignments' and has a green checkmark. Below it, the 'Supported account types' section has four radio button options. The first option, 'Accounts in this organizational directory only (SIDS.COM only - Single tenant)', is selected and highlighted with a red arrow. The 'Redirect URI (optional)' section has two fields. The first field is 'Public client/native (mobile ...)' and the second field is 'https://login.microsoftonline.com/common/oauth2/nativeclient', which has a green checkmark. At the bottom, there is a 'Register' button highlighted with a red arrow. A red arrow also points to the 'Name' field. At the bottom of the form, there is a link 'By proceeding, you agree to the Microsoft Platform Policies'.

After creating/registering the App. Copy your **application (client) ID** to use in GIA configuration:

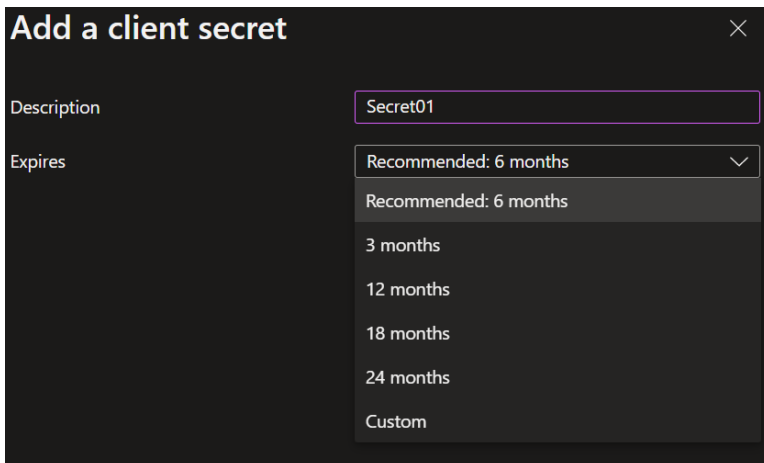


If you want to use Client Secret (**optional**) you can click Certificate & secrets to create a secret to your App:

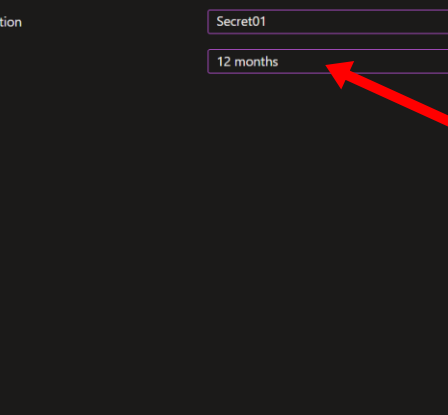
Click on Client secrets and + New client secret:



Determine how much time you want your secret to expire:



And click the Add button:



Add a client secret [X]

Description: Secret01

Expires: 12 months [v]

[Add] [Cancel]

When finished **copy the Value** of the Secret:

Certificates (0)

Client secrets (1)

Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret

Description	Expires	Value ⓘ	Secret ID
Secret01	9/23/2023	<div>MS,QQ VqLWNTYHMEq ...</div>	<div>SECRET-001-1000-... SECRETID</div>

Note

After creating Secrets, you **Need to Copy** the **Value**.
Azure will hide the value after you leave the page.
 So, **Don't Forget to copy** the Value before leave.

Starting with Get Intune Assignments Application.

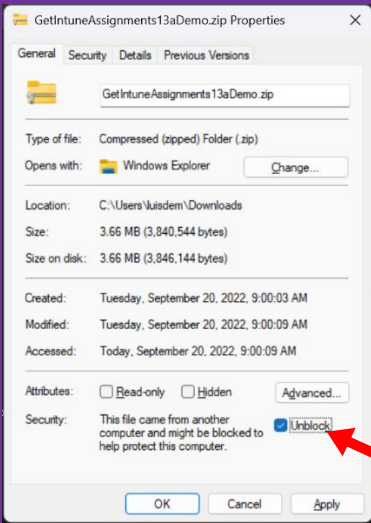
Go to the **Folder** where you **download** the **Get Intune Assignments** Application:

First, check if the Zip file you downloaded is not **Locked**.

Note

When the file is downloaded from internet
It can be blocked for safety.
Check if your Zip file is not **Blocked**:

Before Extract
Right click on the file
Go to the **Properties**
Uncheck the “**Unblock**” checkbox if need
Click **Ok**.
Then, you can extract the content.

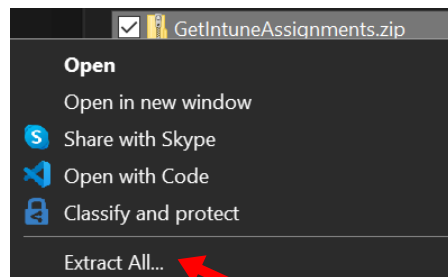


Extract Get Intune Assignments App from zip file

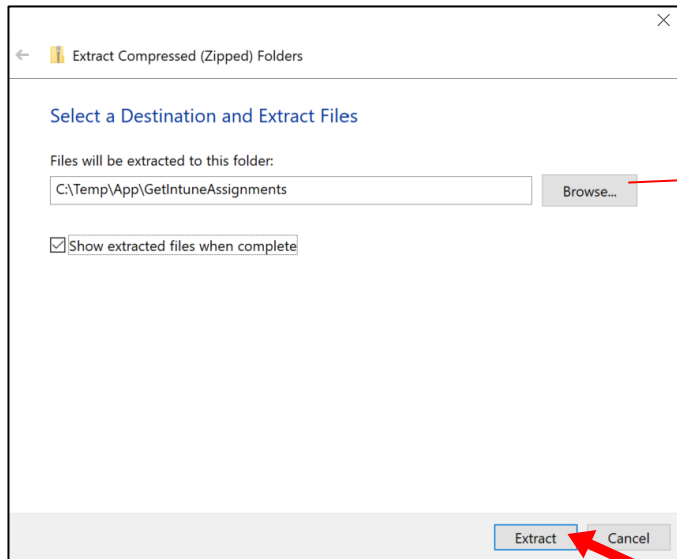
You can use any tool you want for this.

Here is how to use **Windows Compressed Folder** to extract:

Right click on the File and Click on **Extract All...**

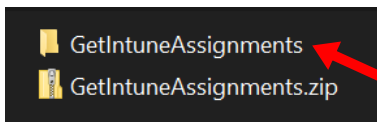


In the wizard window hit **the Extract** button and wait to complete.



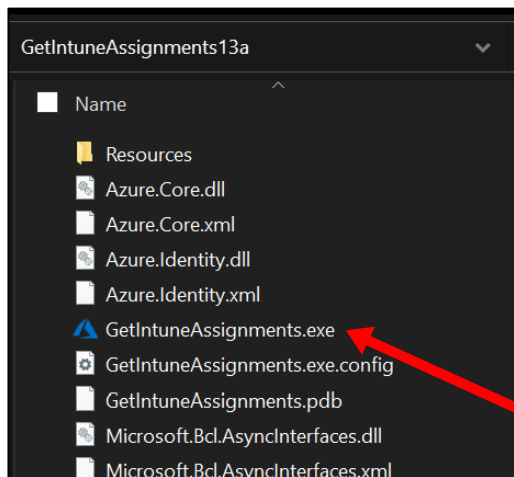
You can Browse for another folder if you wish.

Will be created a new **folder** at directory you choose:



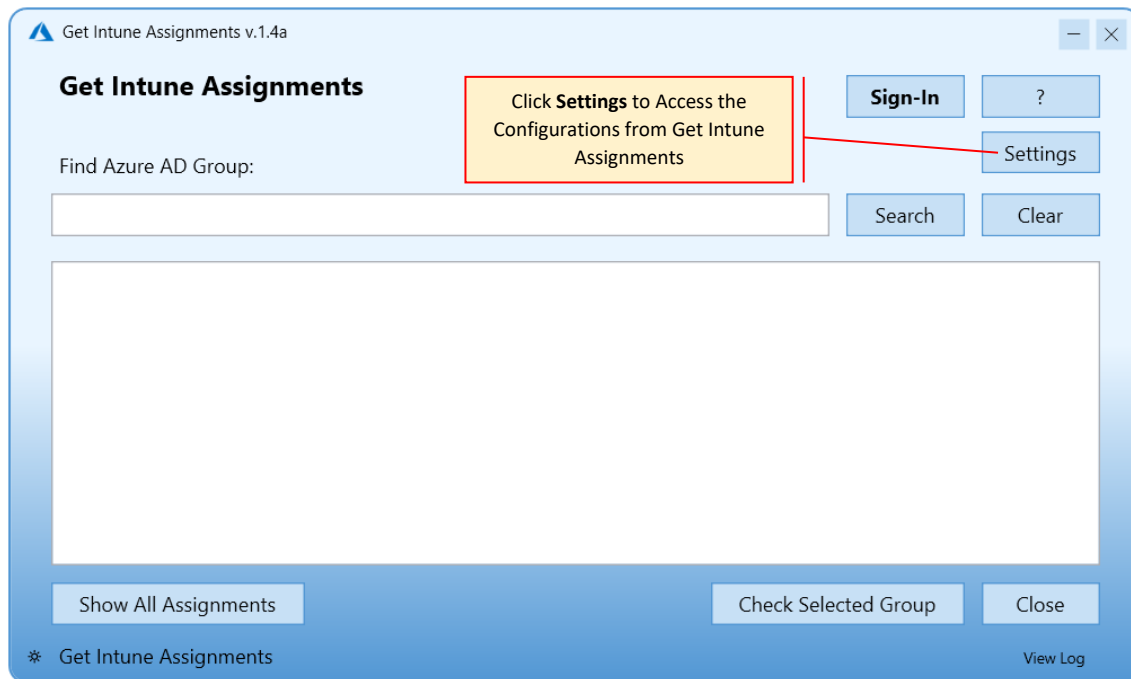
Open this folder and locate  GetIntuneAssignments.exe

Double click to run the Application

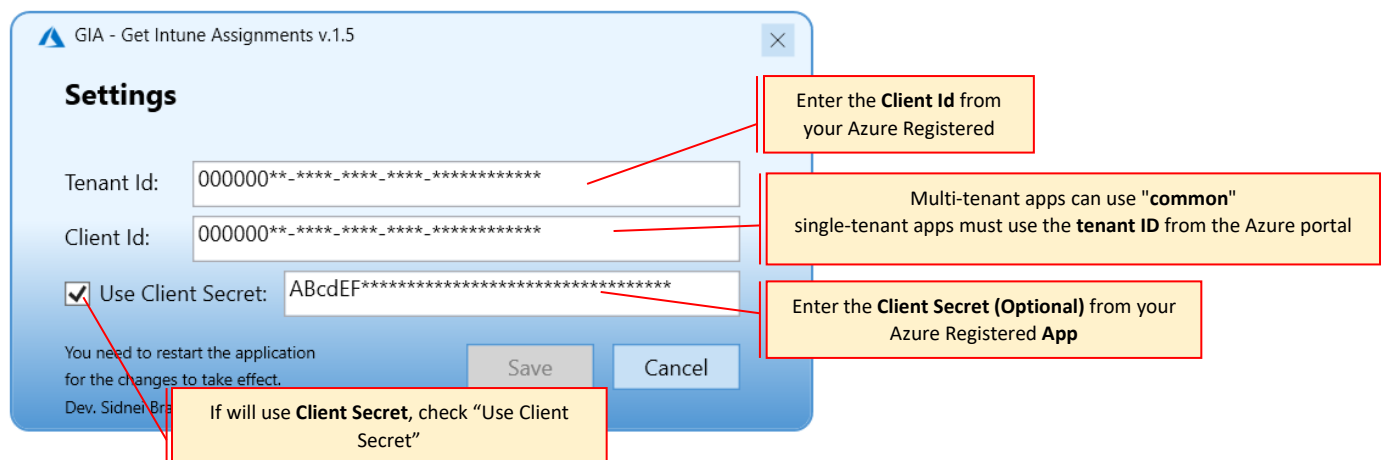


Configuring Get Intune Assignments Application.

In the Main Windows from **Get Intune Assignments** clique the **Settings** Button.

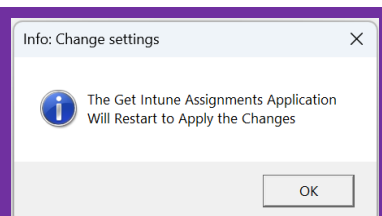


Enter your **Client** and **Tenant Id** and **Save** the Settings.



Note

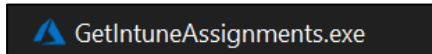
Be sure to enter the correct application (Client) Id from your app to Get Intune Assignments Work properly. Get Intune Assignments will **Restart** for the changes take Effect.



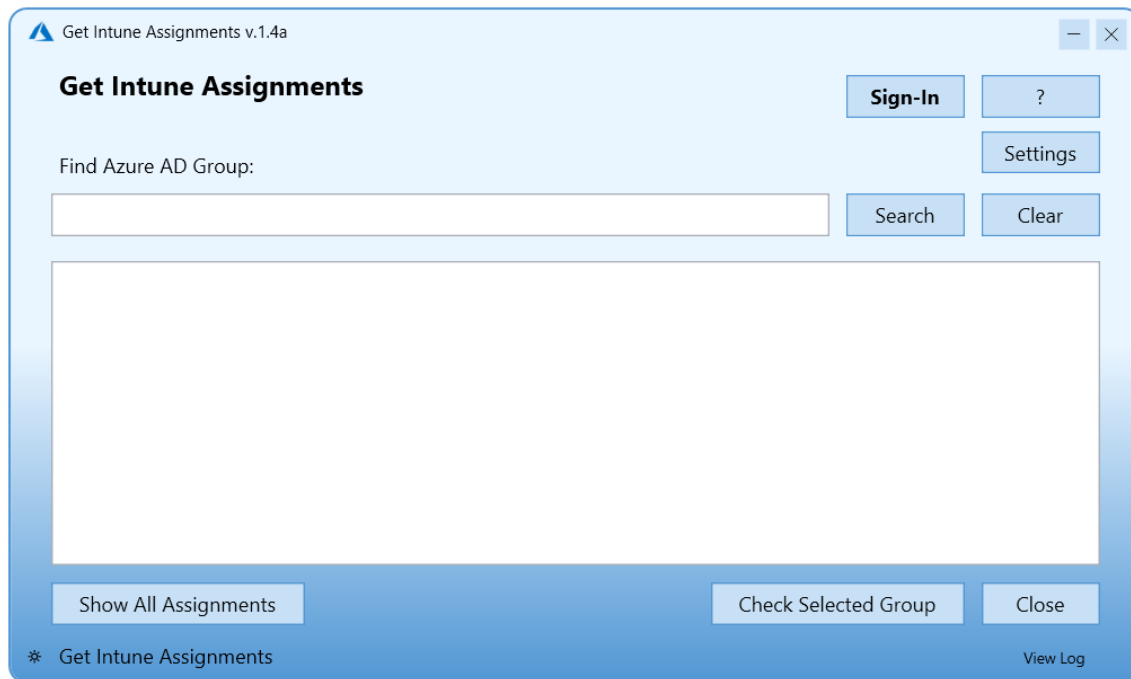
Running Get Intune Assignments Application.

After setting your **Client ID** you can now **Run** the **application**.

Just Execute **GetIntuneAssignments.exe**

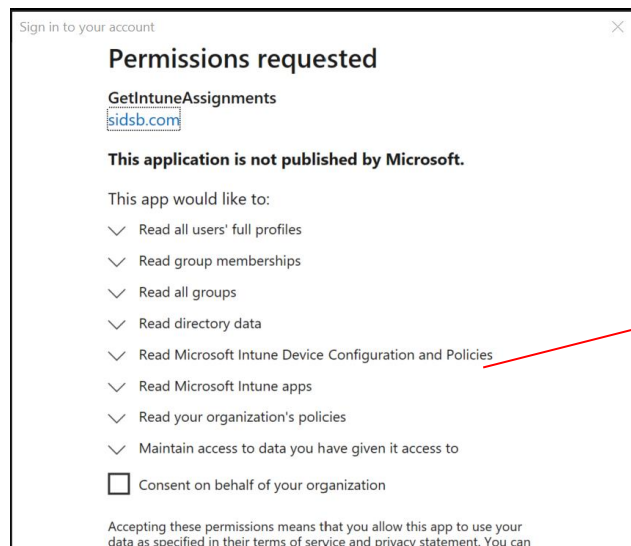


The Application will start:



You can click on **Sign-In** Button and enter your **Azure AD User** who have **Rights** to **read Intune** objects.

First Time Sign-In, the Permission dialog box will ask you to **Consent the permissions**.



Note

ALL Permissions application needs is set to **READ**.
Get Intune Assignments **Can't** and **Won't** change anything in your environment.

Confirm everything is **READ** permissions.

Check **“Consent on behalf of your organization”** and click **Accept Button**

✓ Read Microsoft Intune apps

✓ Read your organization's policies

✓ Maintain access to data you have given it access to

☒ Consent on behalf of your organization

If you accept, this app will get access to the specified resource for all users in your organization. No one else will be prompted to review these permissions.

Accepting these permissions means that you allow this app to use your data as specified in their terms of service and privacy statement. You can change these permissions at <https://myapps.microsoft.com>. [Show details](#)

Does this app look suspicious? [Report it here](#)

Cancel Accept

Note

Get Intune Assignments needs **Read Only** permissions.
The App will **NEVER** change anything in your environment.

After Consent you can see the user is Signed In

Get Intune Assignments v.1.4a

Get Intune Assignments

Welcome sidnei@s...

Signed user UPN.
If using Secret App, GIA will show:
Using App Secret

Find Azure AD Group:

Search Clear

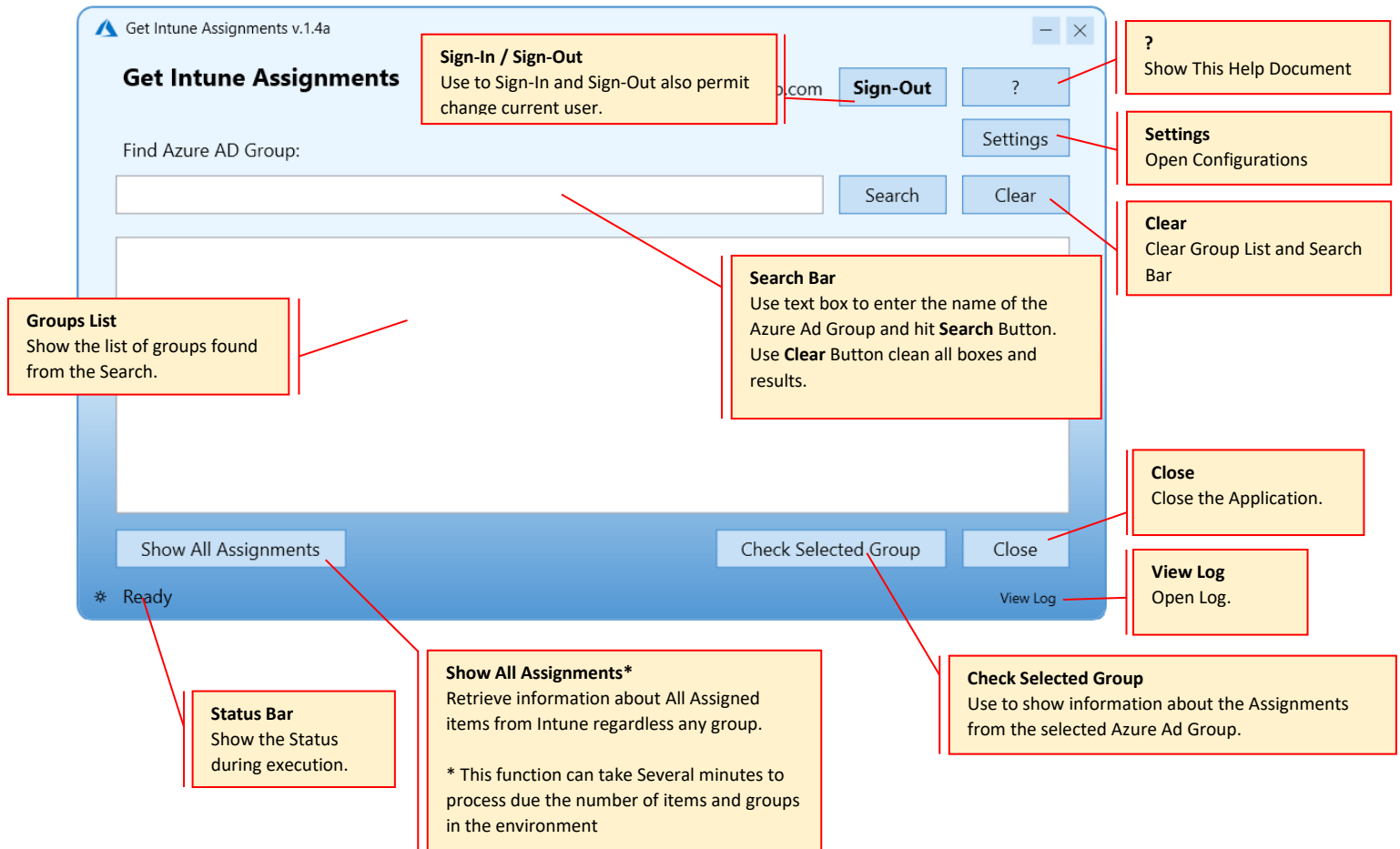
Settings

Show All Assignments Check Selected Group Close

* Ready View Log

Get Intune Assignments Application is ready to use.

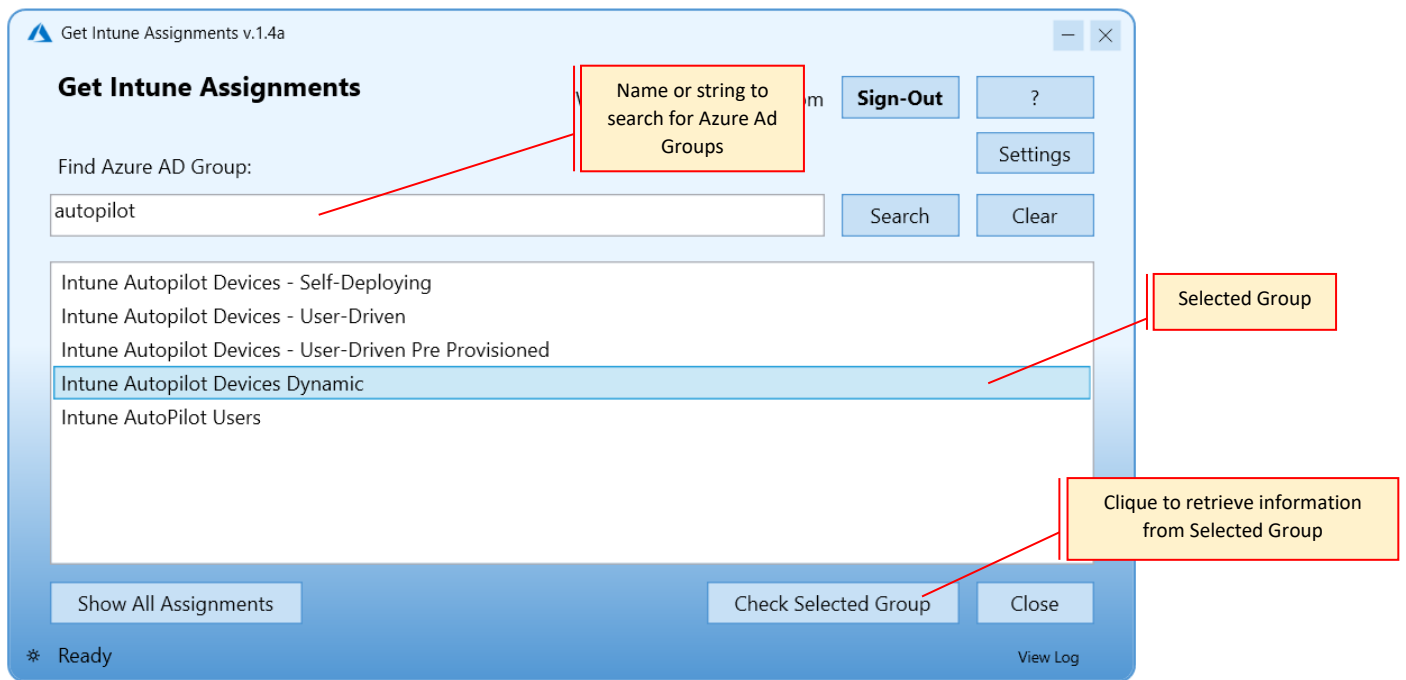
Interface Elements on Get Intune Assignments Application.



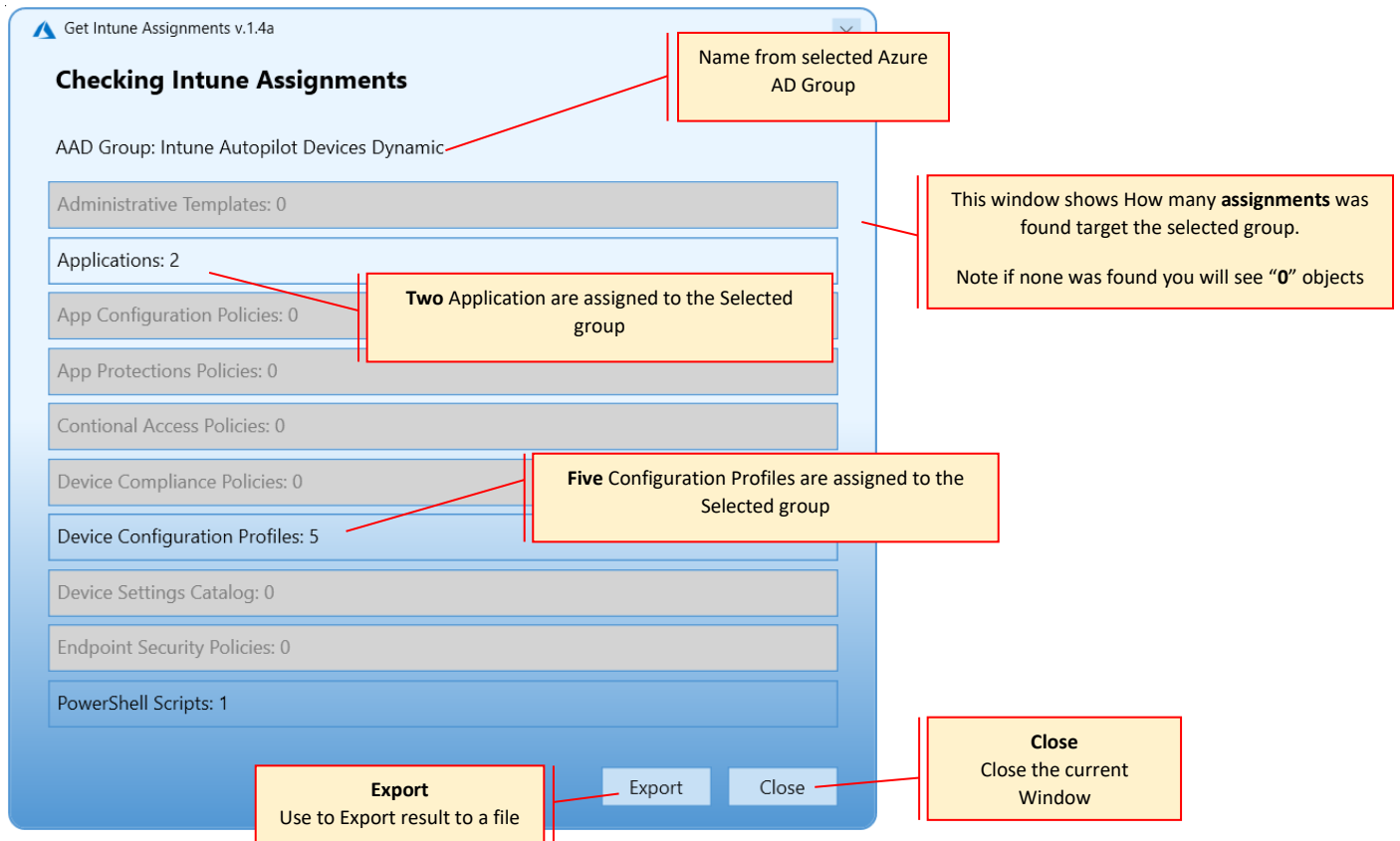
How to retrieve Information from specific Azure AD Group.

Type any string to search for a Azure AD Group and hit **Search** Button:

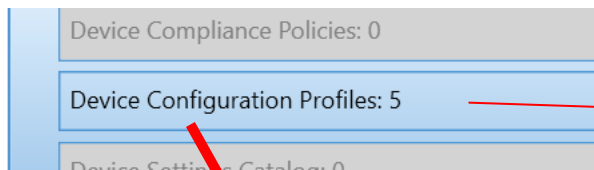
After searching, select an Azure AD Group you want to retrieve Information then Click **Check Selected Group**



A new window comes Up showing the retrieved information:



To see the information about the Assignments, click on the Item you want:



Click at **Device Configuration Profile** to see details

A screenshot of a window titled 'Get Intune Assignments v.1.4a'. The window has a title bar with a close button. Below the title bar, the text 'Showing Device Configuration Profiles Assignments' is displayed. Underneath, it says 'AAD Group: Intune Autopilot Devices Dynamic'. A table lists five device configuration profiles with their display names, created dates, and last modified dates. A red arrow points from the 'Device Configuration Profiles: 5' item in the sidebar to the window. Another red arrow points from the 'Name from selected Azure AD Group' text box to the 'AAD Group' text. A third red arrow points from the 'Information about the Device Configuration Profiles assignments in the Selected Group' text box to the table. A fourth red arrow points from the 'Close the current Window' text box to the 'Close' button.

Display Name	Created Date	Last Modified
Win 10 - Telemetry - Configuring Microsoft Endpoint Manager devices for Update Compliance	29/08/2022 15:01:49	29/08/2022
Win 10 Enable Autopilot Reset from LockScreen	17/08/2022 14:33:33	17/08/2022
Win 10 Enable Azure Active Directory self-service password reset at the Windows sign-in screen	17/08/2022 14:43:42	17/08/2022
Win10 Upgrade to Enterprise Edition	02/06/2021 17:46:56	02/06/2021
Windows Hello for Business	14/04/2021 11:35:21	14/04/2021

Name from selected Azure AD Group

Information about the Device Configuration Profiles assignments in the Selected Group

Close

Close the current Window

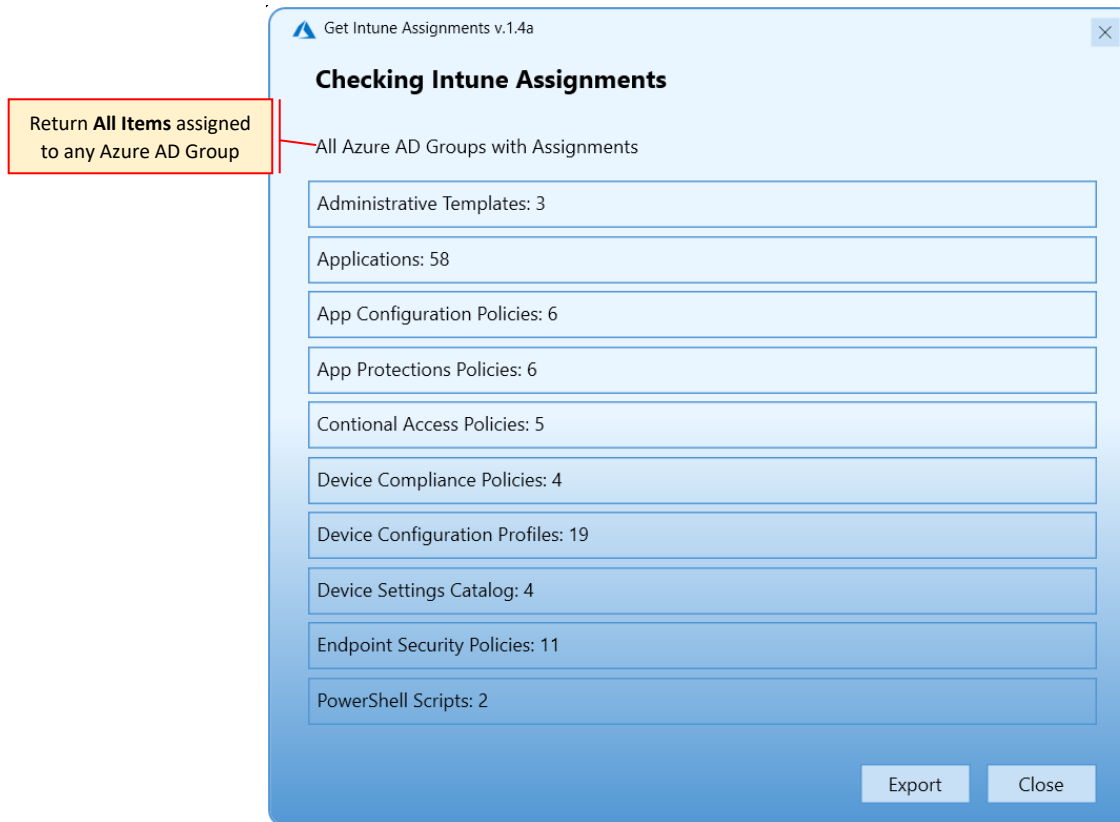
Retrieving Information from All Intune Assignments.

Is possible to retrieve all Intune Assignments regardless of the Azure AD Group Selected.

You don't need to search for a group.

Just click the button

Show All Assignments



Note

Get Intune Assignments will bring Only items that are assigned in some Azure AD Group.

Note

Keep in mind this action can take **Several minutes** to complete depending on the number of Items and groups in the environment.

Version History

ver. 0.0a – June 15, 2022

Just a bunch of command line scripts in PowerShell to get Configuration Profiles and Apps.

ver. 0.0b – July 05, 2022

New scripts to get Compliance Policies

ver. 0.1a – July 27, 2022

The First version with GUI.

Added Administrative Templates and Device Catalogs

ver. 0.1b – August 22, 2022

The First version who worked.

Possible to retrieve the follow assigned items from Intune:

- Administrative Templates
- Applications
- Device Compliance Policies
- Device Configuration Profiles
 - Delivery Optimization
 - Device Restrictions
 - Custom
 - Identity Protection
 - Trusted Certificate
- Device Settings Catalogs
- PowerShell Scripts

Function to search and retrieve from the selected group

Function to retrieve all Assigned items (from the list above) from Intune regardless any group

ver. 0.1c – August 24, 2022

Removed the need for AzureAD Module

Increase speed in Groups query

BUG Fix

- Fix two requests of authentications
- GUI fixes and improvements
- If a new group was created with Script running was not possible to find the new group
- Fix limit of 100 groups on search
- Fix description column position

ver. 0.2b – August 25, 2022

Added Endpoint Security Policies

BUG Fix

- Minor errors fixed

ver. 1.0a – August 30, 2022

Starting to rebuild in C# .NET framework 4.8

Created the Main Form

Function to search AAD Groups

Function to Check Adm Templates

ver. 1.1a – September 02, 2022

Added Functions:

- Applications
- Device Compliance Policies

BUG Fix

- Fixed interface commands to Search
- Enhanced GUI objects
- Minor errors fixed

ver. 1.2a - September 09, 2022

Added Functions:

- Applications
- Device Compliance Policies
- Device Configuration Profiles
- Device Settings Catalog
- Endpoint Security Policies

BUG Fix

- Fixed Dialog Windows
- Minor errors fixed

ver. 1.2b - September 10, 2022

First beta version using C#.Net

Added Functions:

- PowerShell Scripts
- Conditional Access
- Created Sign-Out Function
- Created writeLog Function

ver. 1.3a - September 14, 2022

Created Help function and Doc.

Added Functions:

- Show All Intune Assignments Regardless Azure AD Group
- Export to CSV File

BUG Fix

- Fixed error on export Applications with Description in Multiline
- Minor errors fixed

Released this version to Alpha Test

ver. 1.3b - September 20, 2022

First released Beta Version

Created Settings Dialog to Configure Client ID and Tenant

Dark Theme

Created customized Title Bar

Added Functions:

- App Configuration Policies
- App Protection Policies

BUG Fix

- Fixed Alphabetical in results

ver. 1.4a - September 23, 2022

Graphical Interface enhancements

New title bar and window visuals

Added Functions:

- Auto Restart when changing Settings

BUG Fix

- Windows position in current monitor
- Save config file just if was changed
- Export to file now include all Items
- Fixed Messages Box to show correct information
- Minor bugs fixed

ver. 1.5 - November 07, 2022

Introduced the Acronym GIA

Added support to use App Secret*

Added Functions:

- Policy Sets

BUG Fix

- PowerShell Scripts missing from report.

* Use an App with Read-Only permission for better security.